



ATTORNEY'S DOCKET CS-120  
MAIL STOP AMENDMENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: ) Group Art Unit: 1642  
 )  
TALOR ) Examiner: Gary B. Nickol  
 )  
Serial No. 10/611,914 )  
 )  
Filed: July 03, 2003 )

For: **A METHOD OF PRE-SENSITIZING CANCER PRIOR TO TREATMENT WITH RADIATION AND/OR CHEMOTHERAPY AND A NOVEL CYTOKINE MIXTURE**

Appendix A

Please amend the claims according to the July 30, 2003, revision to 37 C.F.R. § 1.121 concerning a manner for making amendments to the specification.

Please amend paragraph 15 as shown in the replacement paragraph as follows:

In other specific applications, the serum-free and mitogen-free cytokine preparation or pharmaceutical composition has further different cytokines and other small biologically active molecules in Multikine® wherein the ratio of each of the small biologically active molecules to IL-2 IL-2 is as follows: IL-3 to IL-2 IL-2 in a ratio range of 0.38 - 0.68, preferably at

0.53 +/-0.15, IL-6 to ~~IL-2~~ IL-2 in a ratio range of 37.2 - 53.8, preferably at 46 +/-5.9, IL-8 to ~~IL-2~~ IL-2 in a ratio range of 261 - 561.5, preferably at ~~41~~ 411 +/-10.6, IL-1 $\alpha$  to ~~IL-2~~ IL-2 in a ratio range of 0.56 - 0.94, preferably at 0.75 +/-0.19, IL-10 to ~~IL-2~~ IL-2 in a ratio range of ~~2.87~~ 2.82 - 3.22, preferably at 3.0 +/-0.18, IL-16 to ~~IL-2~~ IL-2 in a ratio range of ~~1.24~~ 1.16 - 2.84, preferably at 1.84 +/-0.68, G-CSF to ~~IL-2~~ IL-2 in a ratio range of 2.16 - 3.78, preferably at 2.97 +/-0.81, TNF- $\beta$  to ~~IL-2~~ IL-2 in a ratio range of ~~1.18~~ 1.17 - 2.43, preferably at 1.8 +/-0.63, MIP-1 $\alpha$  to ~~IL-2~~ IL-2 in a ratio range of ~~16.78~~ 15.7 - 37.16, preferably at 22.7 +/-7.0, MIP-1 $\beta$  to ~~IL-2~~ IL-2 in a ratio range of ~~19.2~~ - ~~26.4~~ 17.1 - 28.5, preferably at 22.8 +/-5.7, a RANTES to ~~IL-2~~ IL-2 in a ratio range of 2.3 - 2.7, preferably at 2.5 +/-0.13, a EGF to ~~IL-2~~ IL-2 in a ratio range of ~~0.27~~ - ~~0.28~~ 0.267 - 0.283, preferably at 0.275 +/-0.008, PGE<sub>2</sub> to ~~IL-2~~ IL-2 in a ratio range of ~~3.68~~ 3.63 - 5.42, preferably at 4.5 +/-0.87 and TxB<sub>2</sub> to ~~IL-2~~ IL-2 in a ratio range of ~~23.5~~ - ~~25.1~~ 23.47 - 25.13 , preferably at 24.3 +/-0.83.

Please amend paragraph 26 as shown in the replacement paragraph as follows:

The remainder of the different cytokines and other small biologically active molecules in Multikine® are also present within each preparation of the small biologically active molecules to ~~IL-2~~ IL-2 as follows: IL-3 to ~~IL-2~~ IL-2 in a ratio range of 0.38 - 0.68, preferably at 0.53 +/-0.15, IL-6 to ~~IL-2~~ IL-2 in a ratio range of 37.2 - 53.8, preferably at 46 +/-5.9, IL-8 to ~~IL-2~~ IL-2 in a ratio range of 261 - 561.5, preferably at ~~41~~ 411 +/-10.6, IL-1 $\alpha$  to ~~IL-2~~ IL-2 in a ratio range of 0.56 - 0.94, preferably at 0.75 +/-0.19, IL-10 to ~~IL-2~~ IL-2 in a ratio range of ~~2.87~~ 2.82 - 3.22, preferably at 3.0 +/-0.18, IL-16 to ~~IL-2~~ IL-2 in a ratio range of ~~1.24~~ 1.16 - 2.84, preferably at 1.84 +/-0.68, G-CSF to ~~IL-2~~ IL-2 in a ratio range of 2.16 - 3.78, preferably at 2.97 +/-0.81, TNF- $\beta$  to ~~IL-2~~ IL-2 in a ratio range of ~~1.18~~ 1.17 - 2.43, preferably at 1.8 +/-0.63, MIP-1 $\alpha$  to ~~IL-2~~ IL-2 in a ratio range of ~~16.78~~ 15.7 - 37.16, preferably at 22.7 +/-7.0, MIP-1 $\beta$  to ~~IL-2~~ IL-2 in a ratio range of ~~19.2~~ 26.4 17.1 - 28.5, preferably at 22.8 +/-5.7, a RANTES to ~~IL-2~~

IL-2 in a ratio range of 2.3 - 2.7, preferably at 2.5 +/-0.13,  
a EGF to ~~IL-2~~ IL-2 in a ratio range of ~~0.27~~ - 0.28 0.267 -  
0.283, preferably at 0.275 +/-0.008, PGE<sub>2</sub> to ~~IL-2~~ IL-2 in a  
ratio range of ~~3.68~~ 3.63 - 5.42, preferably at 4.5 +/-0.87 and  
TxB<sub>2</sub> to ~~IL-2~~ IL-2 in a ratio range of ~~23.5~~ - ~~25.1~~ 23.47 - 25.13  
, preferably at 24.3 +/-0.83.